

Post-it Fax Note 7671		Date 1/14/97	# of pages 2
To Steven Hackey		From Wayne Hedberg	
Co/Dept Barneys Cm. Mine		Co. DCEM	
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RARY DRAFT
Page 5

Dave Cline

R647-4-107 - Operation Practices

* 107.2 Drainages to minimize damage

The operator is required to submit the details of the diversions surrounding the East Barneys Pit as well as the riprap designs for the outlets of these constructed drainages. (TM)

JBR

drop structure

hydrologist

* 107.3 Erosion control & sediment control

The operator is required to submit a more detailed description of the berm to be constructed prior to the pit and then reclaimed at the end of mining. (TM)

R647-4-109 - Impact Assessment

* 109.1 Impacts to surface & groundwater systems

The operator must satisfy any concerns related to water quality from the flooding of the pit following mining. The operator must also verify that they have the appropriate ground water permits from the Division of Water Quality and have addressed all their concerns. No data was presented to demonstrate the water quality following mining. (TM)

R647-4-110 - Reclamation Plan

* 110.2 Roads, highwalls, slopes, drainages, pits, etc., reclaimed

The operator is required to discuss the final pit configuration in relation to final drainage and its impacts on drainage. (TM)

Exchange for B&G grade

catchment for sediment

animals in and out

no impacts to aquifer because of

* 110.5 Revegetation planting program

The amendment addresses several changes to the current approved reclamation plan. These changes are requested based on data from on-site testplots. Please provide reference to the completed studies to document testplot success in the permit. (LK)

Appendix H III
Colder Report

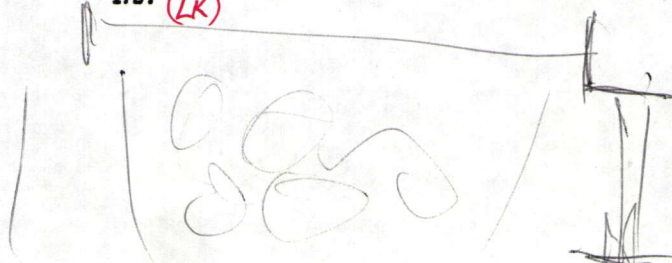
The amendment proposed revised seed mixes due in part to recommendations of Utah Division of Wildlife Resources. The Division does not have any problem with the species proposed, however the seeding rate is excessive. Please consider the following suggestions:

Table 5.6-1 Seed Mixture for Topsoiled areas - reduce rate for yarrow to 0.2 lbs (PLS) per acre, Reduce entire mix by 1/3 if drill seeded.

Table 5.6-2 Seed Mixture for Non-Topsoiled areas - reduce rate for yarrow to 0.2 lbs (PLS) per acre, Reduce entire mix by 1/2 for broadcast seeding methods (including hydroseeding) and by 2/3 for drill seeding methods.

Table 5.6-3 Sulfide Repository Cap Seed Mixture - reduce rate for entire mix by 1/3. (LK)

20th East Creek Rd.



TEMPORARY DRAFT
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R647-4-111 - Reclamation Practices

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111.1 Public safety & welfare

1.11 Sealing shafts & tunnels

Please discuss any shafts or tunnels which will be left as a permanent post mining landuse. (TM)

111.2 Reclamation of natural channels

Plate 96-1
The operator must show all designs for reclaimed channels both for the East Barneys project and for the entire project. Maps need to be upgraded to show post mining drainage. This information could be include on Plate III-A, facilities Layout and Operational Surface water Runoff, from the original plan. The other option would be to modify Plate 96-1 and tone down the colors, bold the drainage lines and add some more surface water runoff delineation. (TM)

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P. 92
111.9 Dams & impoundments left self draining & stable

The operator needs to provide an adequate discussion of the fact that the impoundment will be self draining and stable. On page 92, the operator states that the pit will act as a containment and settling pond for any intermittent flow. This statement does not imply that the structure will be self draining. (TM)

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R647-4-112 - Variance

The operator needs to request a variance for leaving a pit within the Barney's drainage. (TM)